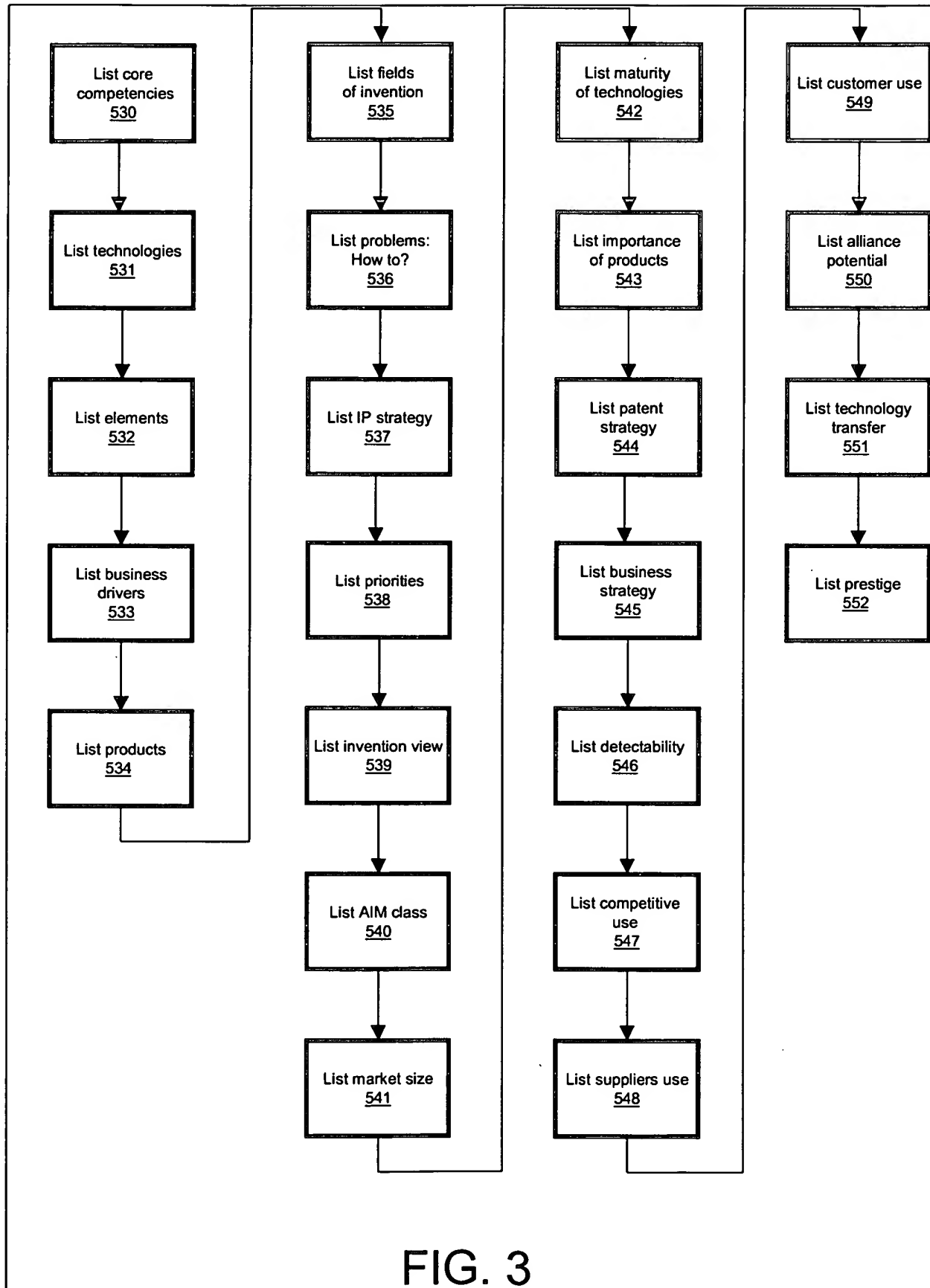


FIG. 2



Core Competency	Description	Weight Factor
Organic chemist		7
Chemical engineer		5
Biochemist		5
Toxicologist		3
Physical chemist		5
Analytical chemist		5
Medical Doctor		5

FIG. 4

Technology	Description	Weight
Organic chemistry	synthesis	7
Analytical chemistry	development method	3
Manufacturing processes		3
Animal studies	testing of drugs on animals	3

FIG. 5

FIG. 6

Business Driver	Weight Factor
Market response	7
User convenience	10
new treatment	5

FIG. 7

Product Category	Description of the major products in each category	Weight Factor
estrogen		5
disease treatment		7
drug prevention		3
calcitonin		3
estrogen inhibitors		5

FIG. 8

FIG. 9

FIG. 10

FIG. 11

FIG. 12

FIG. 13

FIG. 14

Market Size	Description of Technologies or Products
\$1M-10M	
\$10M-100M	
\$100M-1B	
\$1B-5B	coating, combination products
Greater than \$5B	synthetic chemistry, formulation, tableting, method of use

FIG. 15

Maturity of Technology	Description of Technologies or Products	Weight Factor
Last Generation	synthetic chemistry, tableting,	5
Current Generation	coating,	3
Emerging Generation	chemical formulation, packaging, method of use, combination products	7

FIG. 16

Importance of Product	Description of Technologies or Products
Peripheral	tableting,
Element of a Product	formulation, coating, packaging
Essential to a Product	method of use
Creates a Product	synthetic chemistry, combination of products

FIG. 17

Patent Strategy	Description of Technologies or Products
No Patent Strategy for this Invention field	calcitonin
High	disease treatment, drug prevention, estrogen inhibitors
Medium	estrogen,
Low	analytical method

FIG. 18

Business Strategy	Description of Technologies or Products
No Business Strategy For Field Of This Invention	formulation, tableting
High	synthetic chemistry
Medium	method of use, combination of products
Low	tableting, coating, packaging

FIG. 19

Detection	Description of Technologies or Products
Obvious	coating, tableting, packaging, method of use, combination products
Easily Detected	
Detectable With Work	synthetic chemistry, formulation
Undetectable	

FIG. 20

Competitors Use	Description of Technologies or Products
Less than 10% of Competitors will use	
10-50% of Competitors will use	synthetic chemistry, formulation, method of use, combination products
Most Competitors will use	tableting, coating, packaging,
Unknown	
Will only be used by our Company	

FIG. 21

Suppliers use	Description of Technologies or Products
Less than 10% of Suppliers will use	tableting, coating, packaging, formulation, method of use, combination products
10-50% of Suppliers will use	
Most Suppliers will use	synthetic chemistry
Unknown	

FIG. 22

Customer Use	Description of Technologies or Products
No Customers will use	tableting, coating, formulation, synthetic chemistry ,packaging, method of use, combination products
Less than 10% of Customers will use	
10-50% of Customers will use	synthetic chemistry
Most of Customers will use	

FIG. 23

Alliance Potential	Description of Technologies or Products
Low	tableting,
Medium	packaging, formulation
High	synthetic chemistry, coating, method of use, combination products
Unknown	

FIG. 24

Tech Transfer Potential	Description of Technologies or Products
Low	tableting, coating
Medium	formulation, packaging
High	synthetic chemistry, method of use, combination products
Unknown	

FIG. 25

Prestige	Description of Technologies or Products
Low	tableting, formulation
Medium	synthetic chemistry, coating, packaging
High	method of use, combination products

FIG. 26

**Step One: Main Categories****560**

To create the HLA framework, the products or technology must first be separated into general categories. For example, a computer system might be separated into the general categories of the processor, the monitor and input devices.

**Step Two: Sub-Category 1****562**

Next, separate the general categories into sub-categories. For example, the processor might be separated into the motherboard, the graphics board and the disk drives.

**Step Three: Sub-Category 2****564**

Next, if possible, separate each sub-category 1 entry into another level of sub-categories. For example, the motherboard might be separated into the CPU and the cache.

**Step Four: Add to Spreadsheet****566**

Finally, add this information to the spreadsheet by double clicking the icon below. Place the main categories in the "HLA – Main" column, the first sub-categories in the "Sub-Category 1" column, and the second sub-categories in the "Sub-Category 2" column.

**FIG. 27**

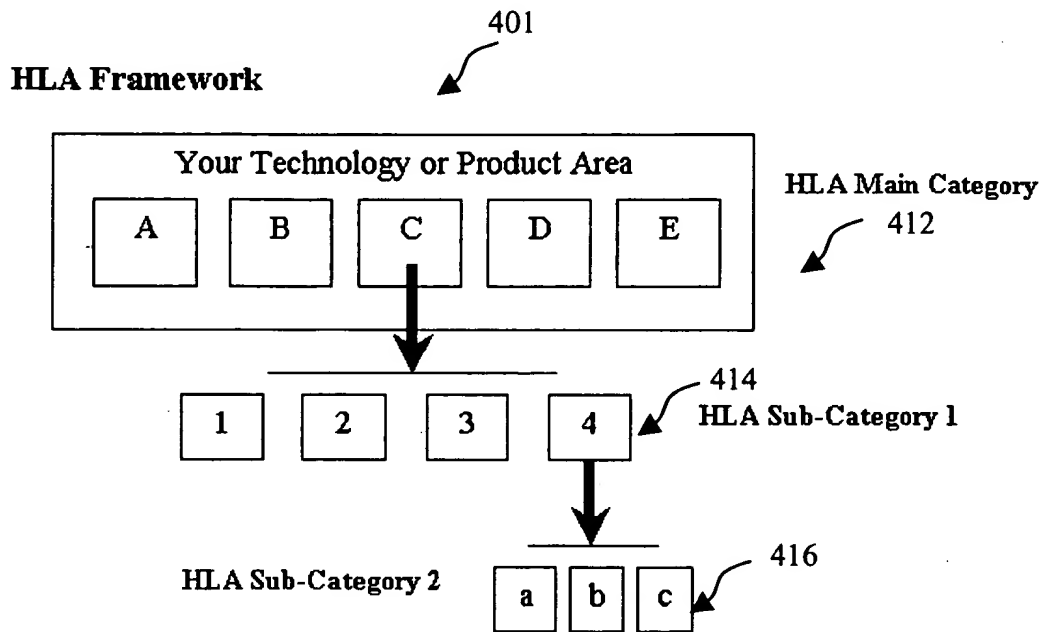


FIG. 28

**Product: Computer 420**

HLA - Main	HLA - Sub-Category 1	HLA - Sub-Category 2
Processor <u>422</u>	Mother Board <u>428</u>	CPU <u>440</u>
Processor <u>422</u>	Mother Board <u>428</u>	Cache <u>442</u>
Processor <u>422</u>	Mother Board <u>428</u>	Ports <u>444</u>
Processor <u>422</u>	Graphics Board <u>430</u>	
Processor <u>422</u>	Disk Drives <u>432</u>	
Monitor <u>424</u>	Screen <u>434</u>	
Input Devices <u>426</u>	Mouse <u>436</u>	Buttons <u>446</u>
Input Devices <u>426</u>	Keyboard <u>438</u>	

FIG. 29

FIG. 30

FIG. 30

# Product

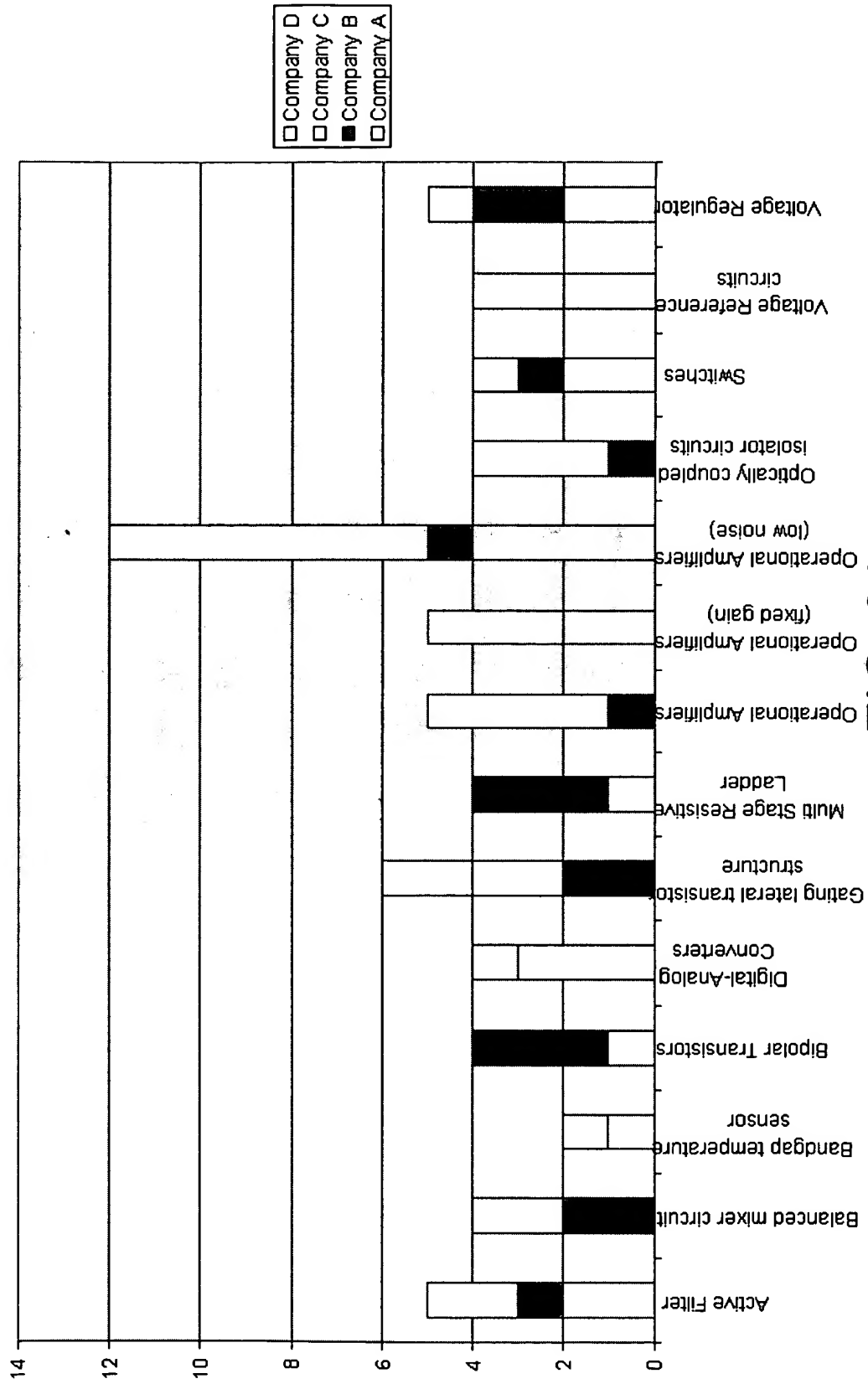


FIG. 31

Downloaded from www.semicore.com

# Technology

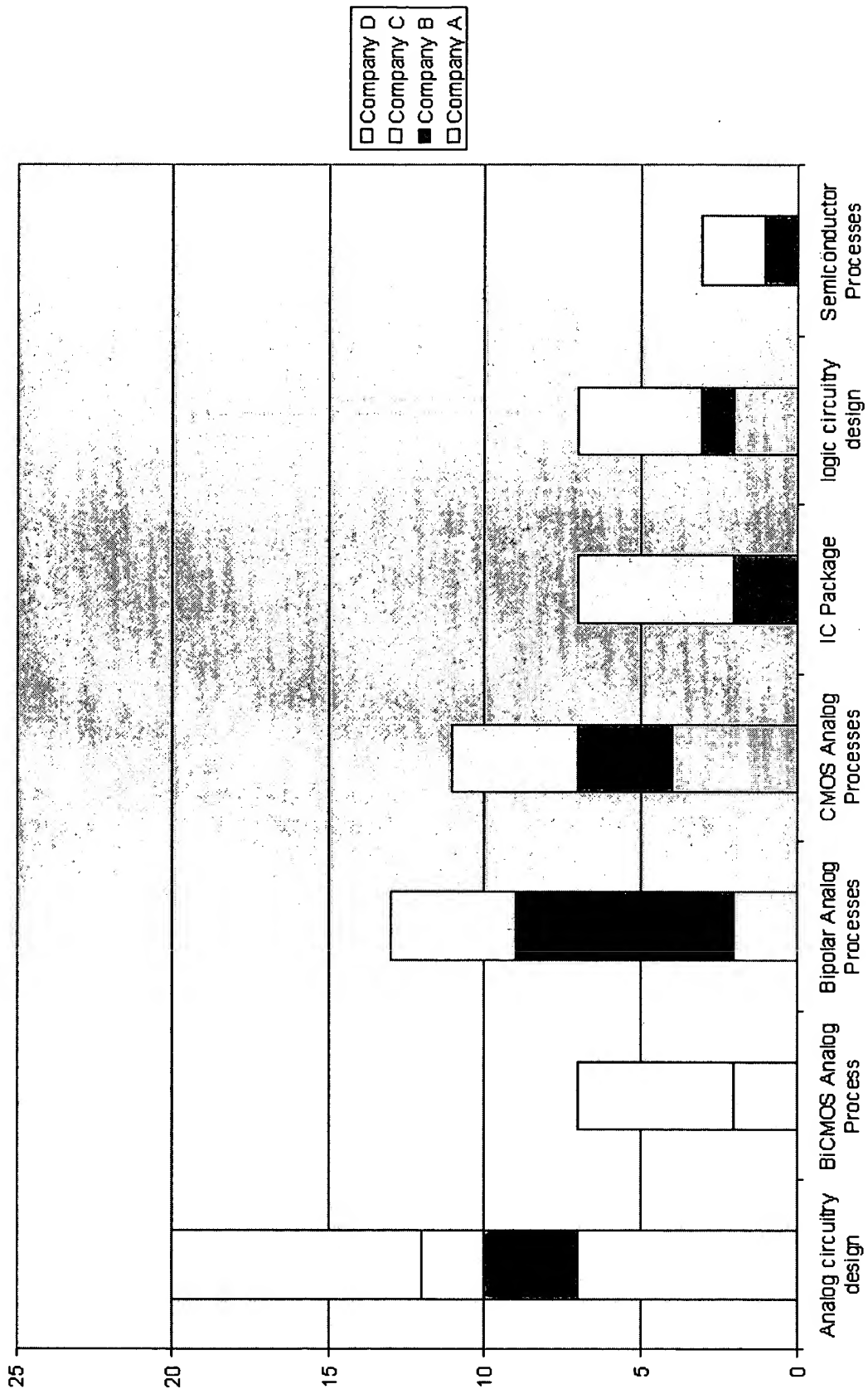


FIG. 32

# Business Drivers

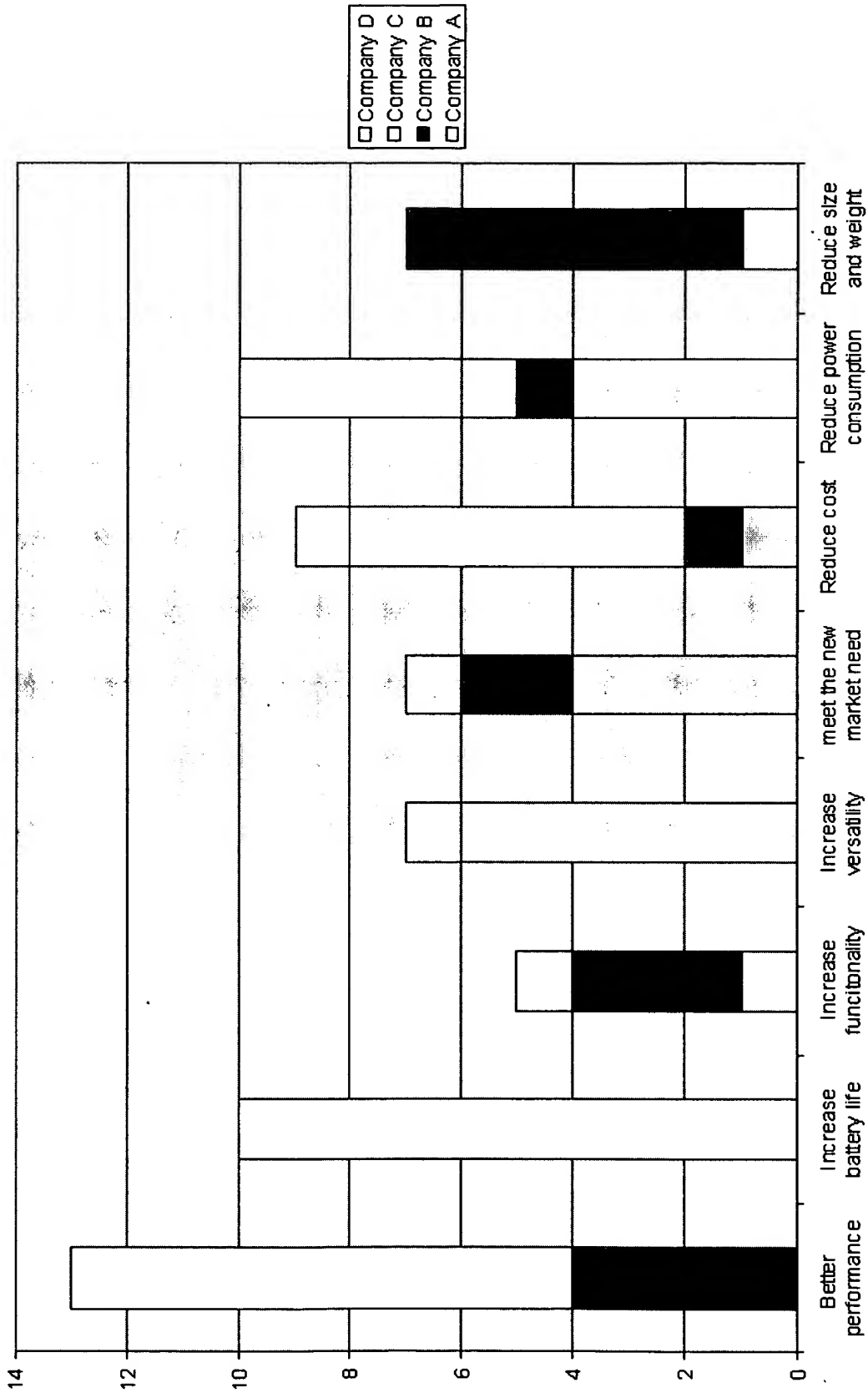


FIG. 33

# Core Competency

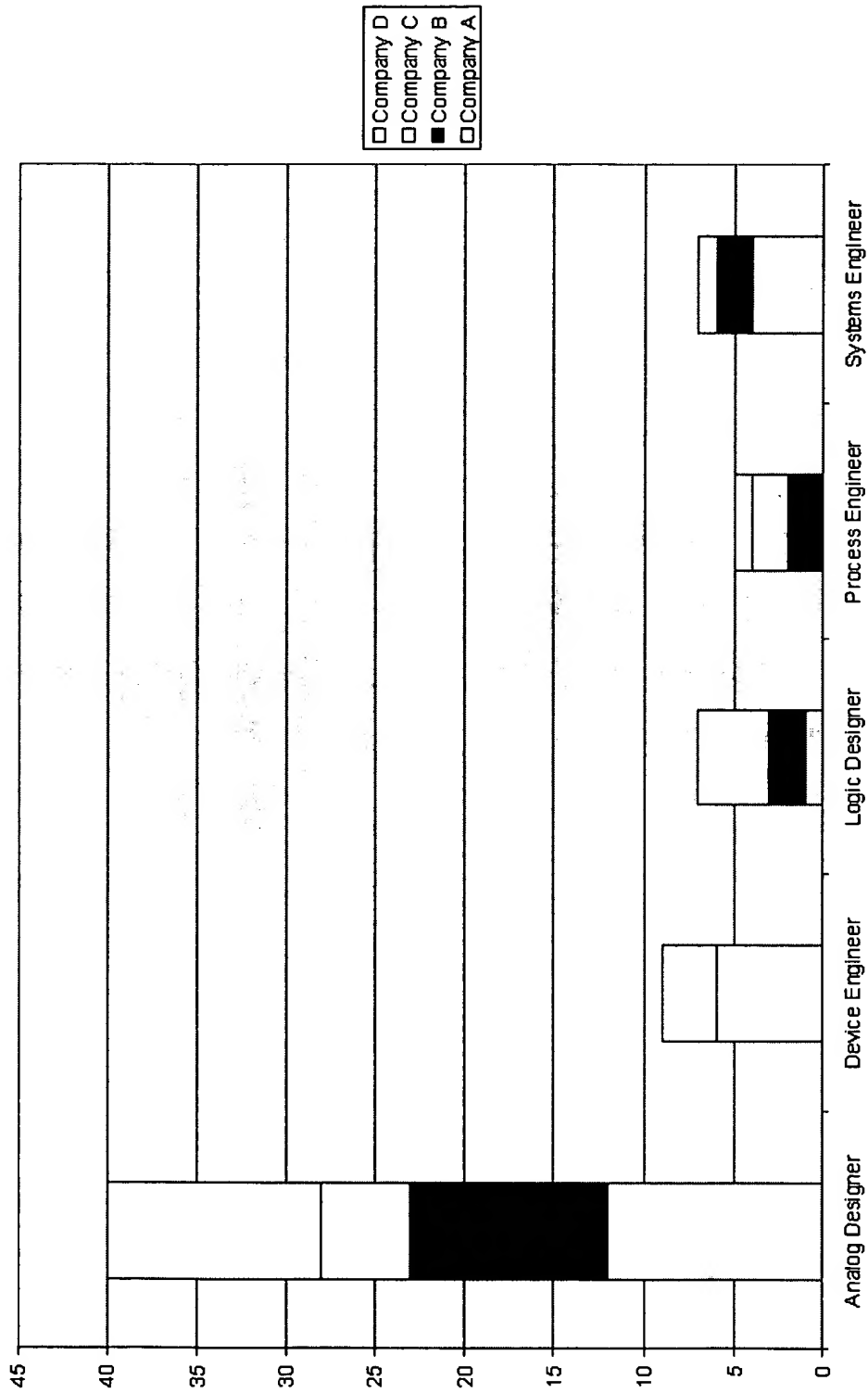


FIG. 34

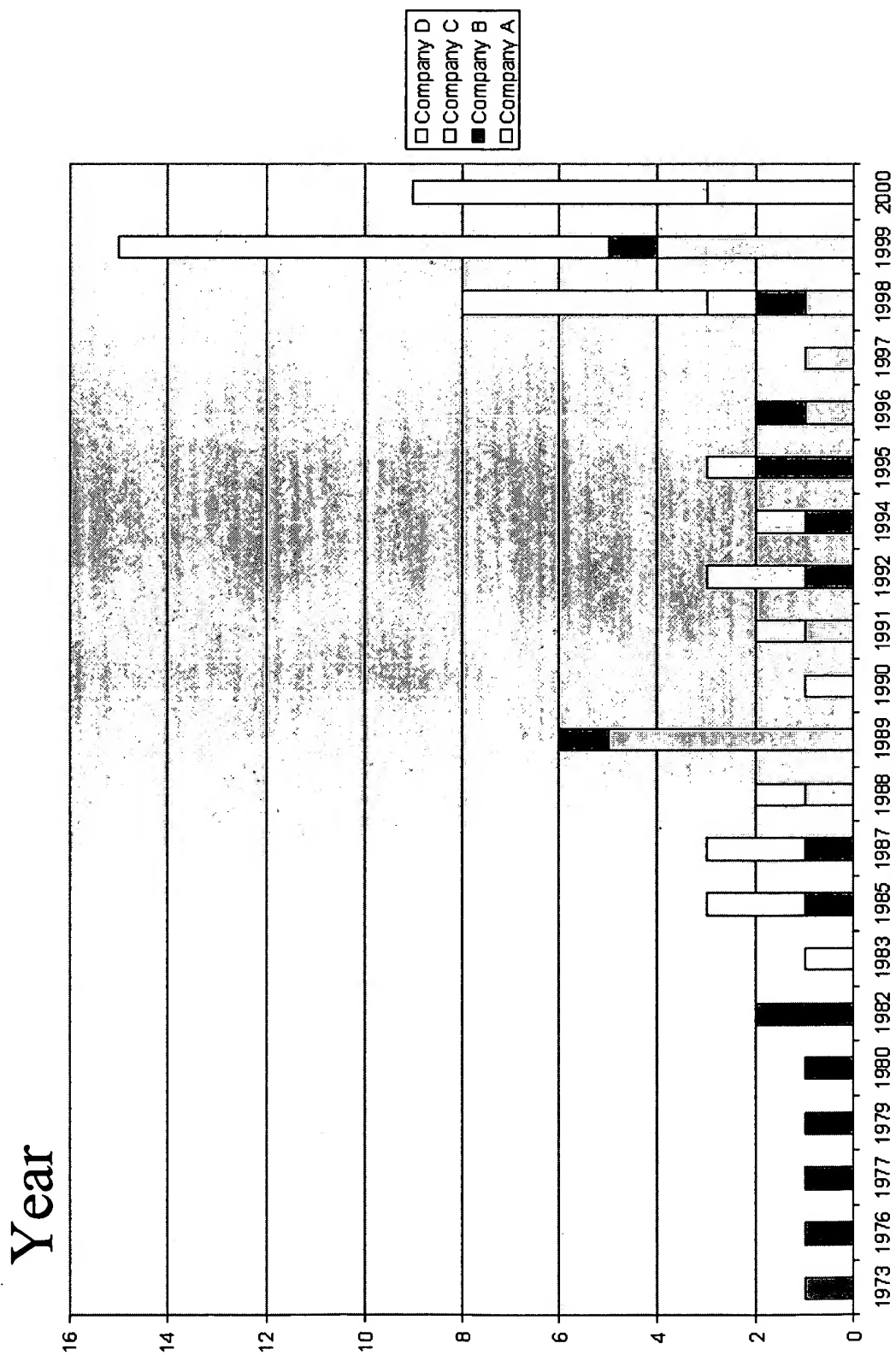


FIG. 35

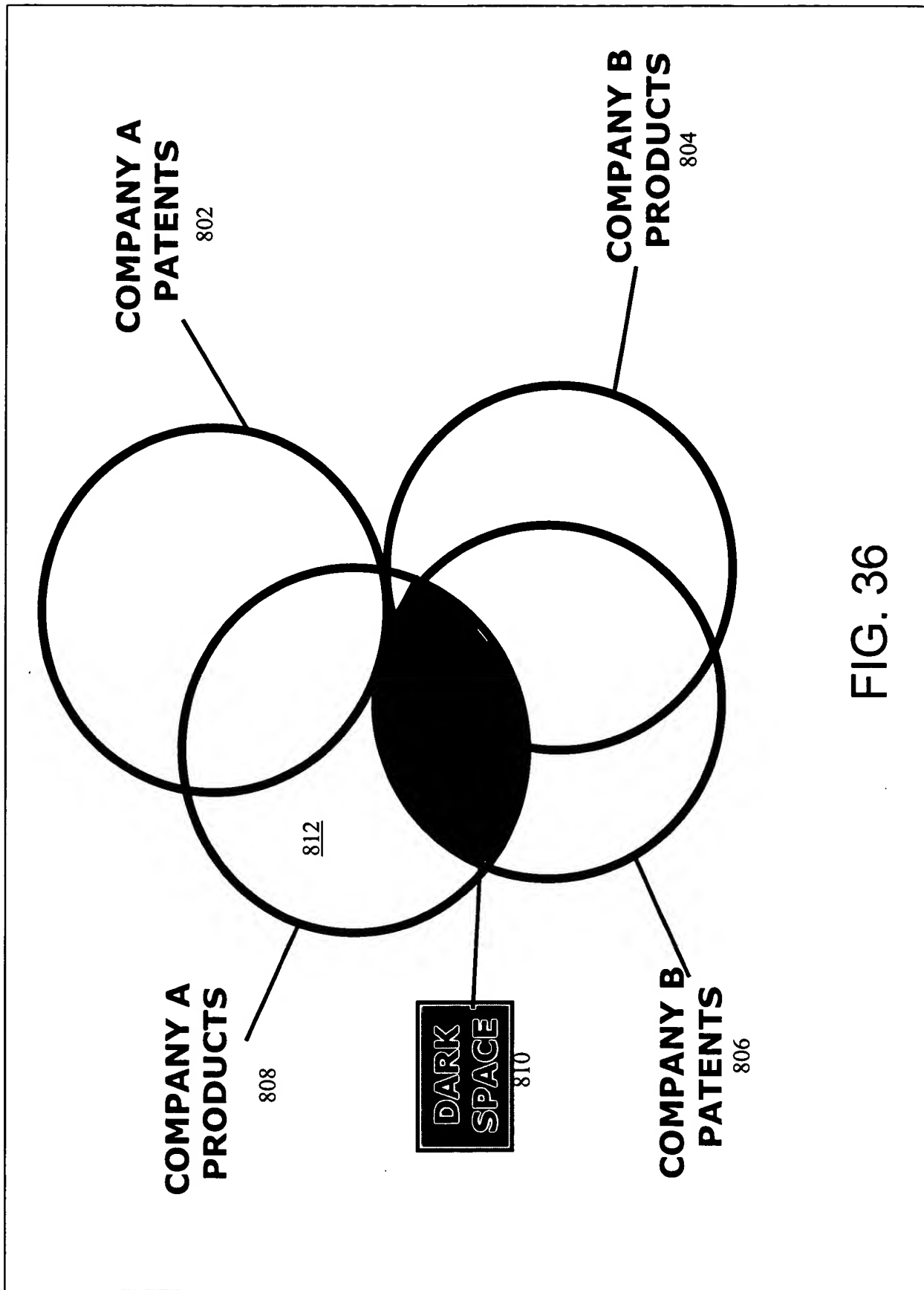


FIG. 36

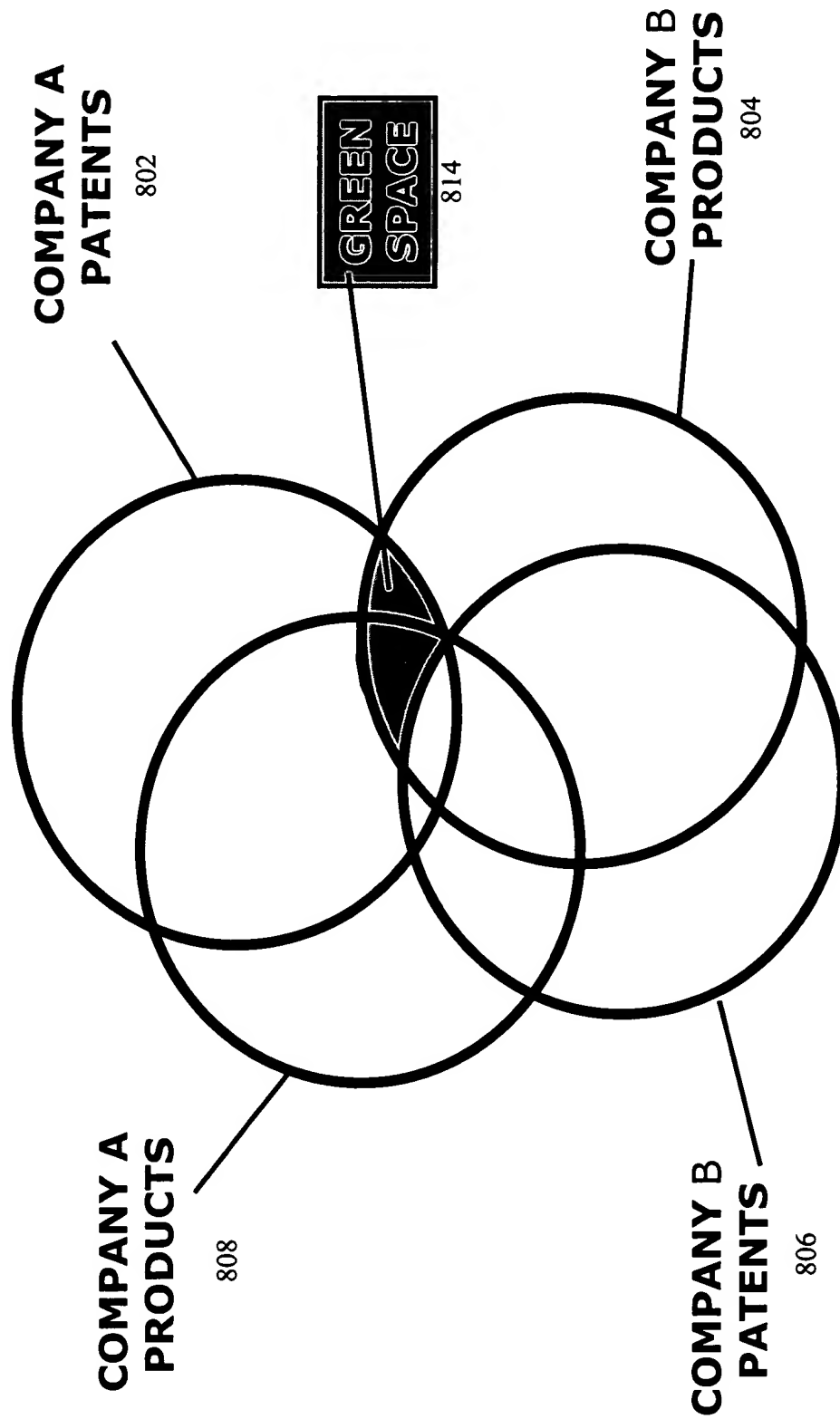


FIG. 37

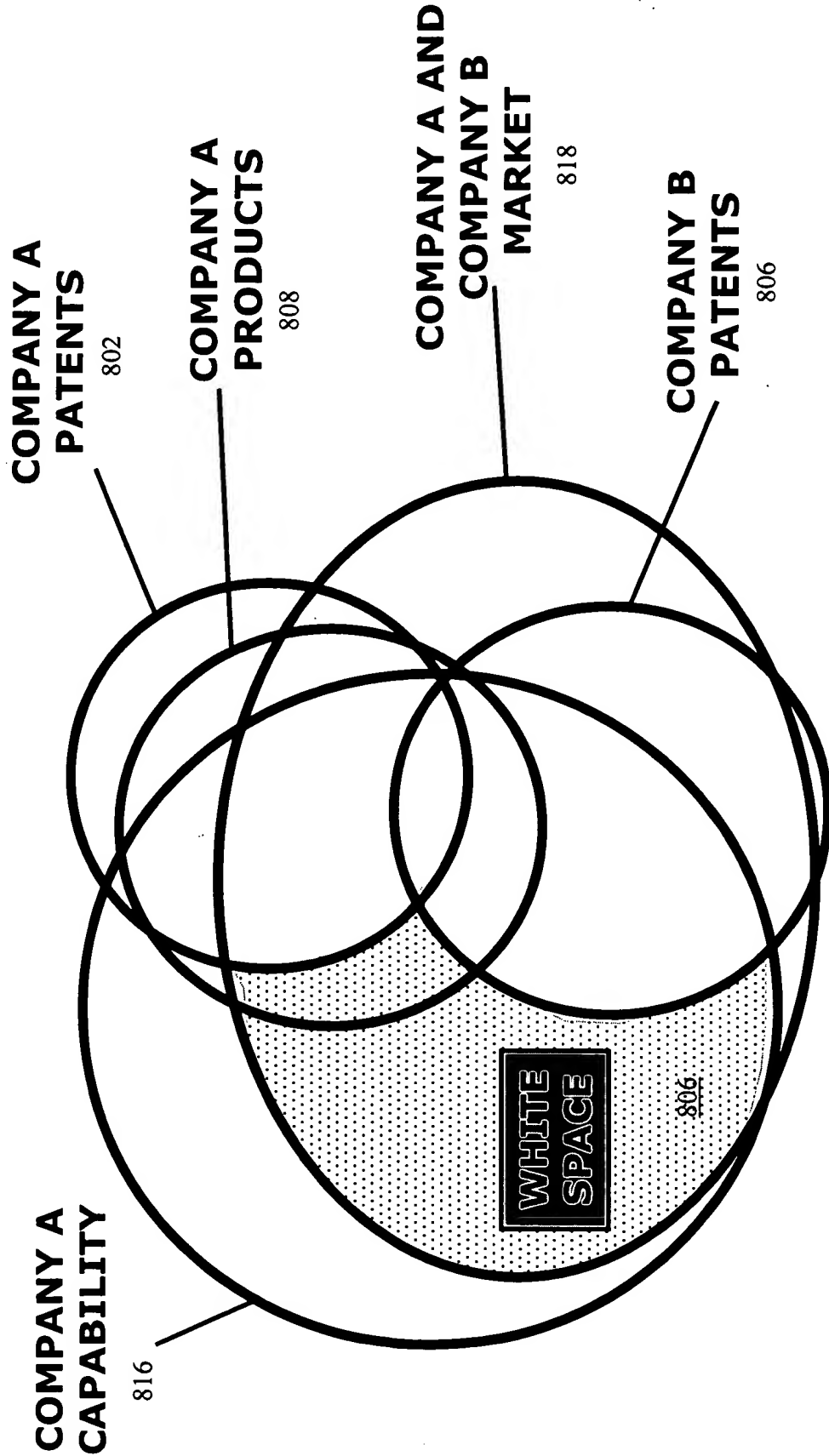


FIG. 38

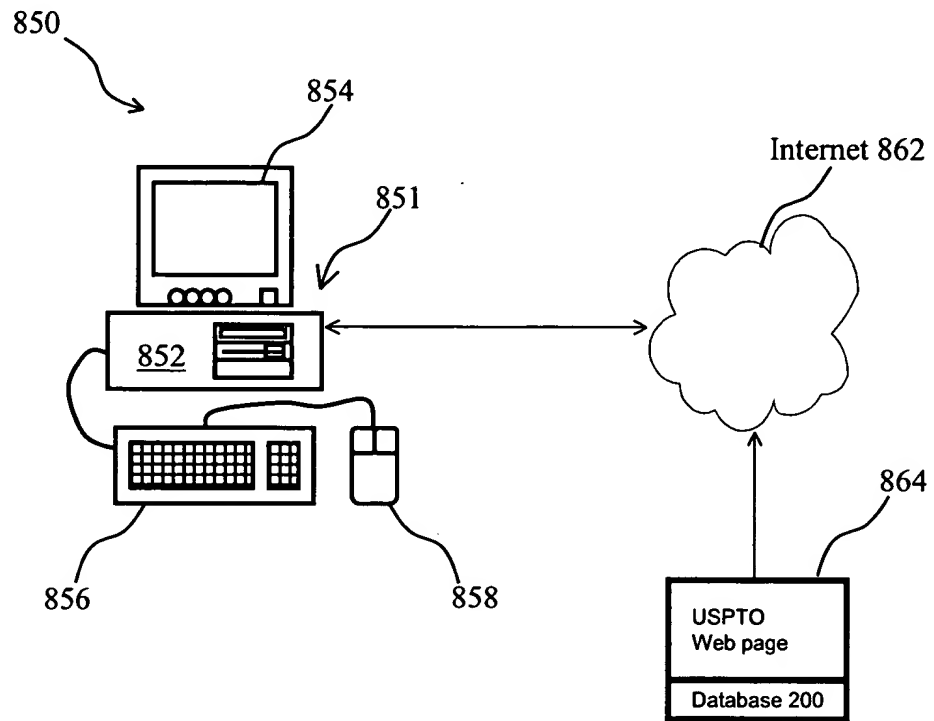


FIG. 39

Standard Patent Fields
Patent No.
Assignee
Year
Application date
Inventor
Class
Sub Class
IPC
Number of Claims
Number of Independent Claims
Number of Citations
Number of Content terms in first claim
Number of content terms in exemplary claim
Field 16
Title
Field 18

Table 1: Index of patent fields (prior art)

User Field	Definition
Core Competencies	Skills and background needed to produce the invention or field of interest
Technologies	Principal technologies utilized in developing the invention or field of invention(FOI)
Elements	Principal elements (components) used to produce the invention or FOI
	for apparatus are actual elements
	for methods are steps
Business Drivers	Commercial advantages of the invention.
	e.g., higher yield, reduced cost, improved uniformity, reduced size
Products	Products / methods / processes produced by the invention
	e.g., electrodes, market forecast...
Field of the invention	Fields of the invention. e.g, etching, data compression, etc...
Problems	Major technical problems that the invention solves; how to...
	e.g. resist corrosion, compress data, etc.
IP Strategy	Categorize the technology or product of the invention by the possibility of use against competitor's patents.
Priorities	Prioritize the importance of each technology or product for a company.
Invention view	Capabilities a company needs to have to produce the product of the invention.
AIM	Categorize the level of novelty of the invention according to breakthrough, distinctive, incremental
Market size	Market size for the product or FOI.
Maturity of Technologies	Estimation of the maturity of the invention .
Importance of Products	Importance of products or FOI to current or other planed products.
Patent strategy	Importance of the technologies or products to your patent strategies.
Business Strategy	Importance of the invention to the business strategy.
Detectability	Categorize FOI by the ability to detect their use by others.
Competitive use	Percentage of competition who would use the invention.
Supplier use	Percentage of suppliers who would use the invention.
Customer use	Percentage of Customers who would use the invention.

Table 2: List of all user fields and their definition

Columns	<u>660</u>
Patent No.	
Assignees	
Year	
Application date	
Inventors	
Class	
Current Sub Class	
IPC	
Number of Claims	
Number of Independent Claims	
Number of Citations	
Number of Citations not from applicant	
Number of Content terms in first claim	
Number of content terms in exemplary claim	
Field 16	
Title	
Field 18	

Standard  
Patent Fields  
651

User-  
defined  
Fields  
300

650

Columns	660
Technology	
Product	
Invention View	
Date	
Note (field of the invention)	
Value	
License Out	
IP Type	
Idea	
Priority	
Area	
Priority date	
Inventor 2	
Inventor 3	
Inventor 4	
Cluster	
Cluster	
Cluster Name	
Invention Type (Method or Apparatus...)	
AIM Class	
Core Competency	
Business Drivers	
Field of Invention	
Problems	
HLA (High Level Abstraction)	
HLA Category Level 1	
HLA Category Level 2	
HLA Cluster Group	
Group	
Market Size	
Maturity of Technology	
Importance to Products	
Patent Strategy	
Business Strategy	
Scope of Claims	
Detectability	
Avoidance	
Competitive Use	
Supplier Use	
Customer Use	
Alliance Potential	
Technology Transfer	
Prestige	
Patent ID	
Patent HTML	
Initials (reader)	
Count	

Table 3: Microsoft Excel Master Worksheet